

-1- (JAPIO)

ACCESSION NUMBER

86-077264

TITLE

ZINC POWDER FOR ALKALINE BATTERY

PATENT APPLICANT

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APPLICATION DETAILS

84.09.21 84JP-196746, 59-196746

SOURCE

86.08.26 SECT. E, SECTION NO. 431; VOL. 10, NO. 248,

PG. 62.

INT'L PATENT CLASS

H01M-004/42

JAPIO CLASS

42.9 (ELECTRONICS--Other)

ABSTRACT

PURPOSE: To obtain zinc powder, whose hydrogen gas evolution is retarded, for an alkaline battery by treating the surface of zinc powder with an organic compound which forms a chelate compound with zinc, washing, then drying.

CONSTITUTION: Zinc powder is treated in a solution in which an organic compound which forms a chelate compound with zinc, such as tannic acid or imidazole is dissolved. By this surface treatment, hydrogen gas evolution from the zinc powder is retarded compared with nontreated zinc powder. Before this surface treatment, if the surface of zinc powder is treated with acid such as potassium hydroxide or sodium hydroxide, hydrogen gas evolution from zinc powder is remarkably retarded.